

ABSTRACT

A method for analyzing an organelle-localized protein, which enables one to determine whether or not a test protein localizes to an organelle, comprising the steps of:

- 5 (a) a step of introducing a fusion peptide (a), which comprises one half-peptide of an intein, one half-peptide of a fluorescent protein and an organelle-targeting signal peptide, into a eukaryotic cell; (b) a step of introducing a test protein bound to a fusion peptide (b), which comprises the other half-peptide of the fluorescent protein and the other half-peptide of the intein, into the eukaryotic cell; and (c) a step of detecting fluorescence signal emitted
10 by the fluorescent protein, and a material for analysis to be used in such method are provided.